PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

International application No. PCT/US 08/05564 Applicant PROGENICS PHARMACEUTICALS, INC. This international search report has been prepared by this International Searching Authority and is transmitted to the applicance according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of3 sheets. It is also accompanied by a copy of each prior art document cited in this report. Basis of the report a. With regard to the language, the international search was carried out on the basis of: X the international application in the language in which it was filed.	Applicant's or agent's file reference 77840-A-PCT/JPW/BB	FOR FURTHER ACTION as well	see Form PCT/ISA/220 las, where applicable, item 5 below.		
PROGENICS PHARMACEUTICALS, INC. This international search report has been prepared by this International Bureau. This international search report consists of a total of3 sheets. It is also accompanied by a copy of each prior art document cited in this report. Hasis of the report With regard to the language, the international search was carried out on the basis of: Hasis of the report		International filing date (day/month/year)	(Earliest) Priority Date (day month year)		
This international search report consists of a total of3	Applicant PROGENICS PHARMACEUTICALS, INC.	1			
a. With regard to the language, the international search was carried out on the basis of:	This international search report consists	of a total of3sheets.			
the international application in the language in which it was filed. a translation of the international application into a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)). This international search report has been established taking into account the rectification of an obvious mistaking authorized by or notified to this Authority under Rule 91 (Rule 43.6bx(a)). With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. 1 With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. 1 Unity of invention is lacking (see Box No. III). Unity of invention is lacking (see Box No. III). With regard to the title, the text is approved as submitted by the applicant. the text has been established by this Authority to read as follows:	1. Basis of the report				
a translation of the international application into			isis of:		
b.	a translation of the international application into				
2.	b. This international search re	port has been established taking into accoun	If the rectification of an abstract and		
3. Unity of invention is lacking (see Box No. III). 4. With regard to the title,	c. With regard to any nucleoti	de and/or amino acid sequence disclosed in	the international application, see Box No. I.		
4. With regard to the title, the text is approved as submitted by the applicant. the text has been established by this Authority to read as follows: With regard to the abstract. the text is approved as submitted by the applicant. the text has been established, according to Rule 58.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority. With regard to the drawings, a. the figure of the drawings to be published with the abstract is Figure No. as suggested by the applicant. as selected by this Authority, because the applicant failed to suggest a figure. as selected by this Authority, because this figure better characterizes the invention.	2. Certain claims were found	unsearchable (see Box No. II).			
the text is approved as submitted by the applicant. the text has been established by this Authority to read as follows: With regard to the abstract, the text is approved as submitted by the applicant. the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority. With regard to the drawings, a. the figure of the drawings to be published with the abstract is Figure No. as suggested by the applicant. as selected by this Authority, because the applicant failed to suggest a figure. as selected by this Authority, because this figure better characterizes the invention.	3. Unity of invention is lacking	ng (see Box No. III).			
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as selected by this Authority, because this figure better characterizes the invention.	as suggested by the appl	licant.			
as selected by this Authority, because this figure better characterizes the invention.	as selected by this Author	ority, because the applicant failed to suggest a	figure.		
b. Mone of the figures is to be published with the abstract.	as selected by this Author	ority, because this figure better characterizes the	he invention.		
	b. Mone of the figures is to be pub	olished with the abstract.			

Form PCT/ISA/210 (first sheet) (April 2007)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 08/05564

Box No. H	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international	al search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
	s Nos.: se they relate to subject matter not required to be searched by this Authority, namely:
hecaus	s Nos.: ie they relate to parts of the international application that do not comply with the prescribed requirements to such an that no meaningful international search can be carried out, specifically:
	Nos., 23, 29-39, 121-122 and 126 e they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III ()	bservations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International	Searching Authority found multiple inventions in this international application, as follows:
	···
1. As all rectains.	equired additional search fees were timely paid by the applicant, this international search report covers all searchable
2. As all so addition	carchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of all fees.
3. As only	some of the required additional search fees were timely paid by the applicant, this international search report covers se claims for which fees were paid, specifically claims Nos.:
4. No requirestricted	red additional search fees were timely paid by the applicant. Consequently, this international search report is to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest	The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee. The additional search fees were accompanied by the applicant's protest but the applicable protest
	lee was not paid within the time limit specified in the invitation.
	No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet (2)) (April 2007)

INTERNATIONAL SEARCH REPORT

International application No. PCT/US 08/05564

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - G01N 33/53 (2008.04) USPC - 435/7.1 According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS SEARCHED							
		by classification symbols:					
USPC - 43	Minimum documentation searched (classification system followed by classification symbols) USPC - 435/7.1						
Documental USPC - 435	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC - 435/6						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WEST, Google Scholar: "CCR5 receptor" antagonist HIV log "maintaining a reduced viral load", "CCR5 receptor" antagonist HIV log "maintaining reduced viral load", "CCR5 receptor" antagonist HIV "maintaining reduced viral load", "CCR5 receptor" antagonist HIV "maintaining a reduced viral load"							
с. роси	MENTS CONSIDERED TO BE RELEVANT						
Category*	Citation of document, with indication, where	appropriate, of the relevant passages	Relevant to claim No.				
X Y	[0046], [0047], [0074], [0075], [0094], [0095], [0097]-[0101], [0104]-[0105], [0131], [0140],		40-46, 49-60, 95-104, 106,123-125				
to the total for			1-22, 24-28, 47, 48, 61- 94, 105, 107-120				
NELSON et al. Efficacy and Safety of Maraviroc plus Optimized Background Therapy in Viremic, ART-experienced Patients Infected with CCR5-tropic HIV-1 in Europe, Australia, and North America: 24-Week Results. 14th Annual Conference on Retroviruses and Opportunistic Infections 28 Feb 2007. Abstract #104aLB. Downloaded from the Internet on 3 Aug 2008: http://www.retroconference.org/2007/Abstracts/30636.htm			1-22, 24-28, 47, 48, 81- 94, 107-118				
Y	US 2006/0154857 A1 (REDFIELD et al) 13 Jul 2006 (13.07.2006); para [0019], [0021], [0028]- [0030], [0070], [0072], [0073], [0095]		61-80, 94, 119, 120				
Y	US 2007/0031408 A1 (OLSON et al) 8 Feb 2007 (08.02.2007), para [0173]-[0175], [0007]		27, 28, 105				
Further documents are listed in the continuation of Box C.							
Special categories of cited documents: "I" later document published after the international filing date or priority date and not in conflict with the application but cited to understand							
•	to be of particular relevance the principle or theory anderlying the invention						
L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another cutation or other							
or document referring to an oral disclosure, use, exhibition or other							
being obvious to a person skilled in the art Description of the same patent family date but later than "&" document member of the same patent family							
Date of the actual completion of the international search Date of mailing of the international search report							
August 2008 (03.08.2008) 15 AUG 2008							
ame and mailing address of the ISA/US Authorized officer:							
O. Box 1450,	Attn: ISA/US, Commissioner for Patents Alexandria, Virginia 22313-1450	Lee W. Young PCT Helpdesk: 571-272-4300					
acsimile No.	simile No. 571-273-3201 PCT OSP: 571-272-7774						